

Algebra
Mrs. Britton
Simplifying Radicals

Name: _____

Date: _____

Simplify. ****SHOW ALL YOUR WORK****

1. $\sqrt{125x^2y^5z}$	2. $\sqrt[3]{405a^3b^6c^8}$
3. $\sqrt[4]{128a^3b^9c}$	4. $\sqrt{216d^4e^5f}$
5. $\sqrt[4]{486a^8b^3c^6}$	6. $\sqrt[3]{4802xy^4z^3}$

7. $\sqrt{80w^5x^9y^5z}$	8. $\sqrt[3]{3125a^3bc^8}$
9. $\sqrt[5]{960ab^6c^{12}}$	10. $\sqrt{648xy^2z^{14}}$
11. $\sqrt{144x^8y^3}$	12. $\sqrt[3]{1620ab^4c^9}$